Listing of Claims

1. (Currently Amended) A method for determining [[the]] a resolution of blood glucose, ~~comprises~~ comprising:

obtaining [[a]] an ~~analogy~~ analog signal source from [[the]] a blood glucose solution being ~~transferred into~~ applied to [[the]] an amplifier circuit which ~~comprising~~ includes ~~a resistance,~~ a ~~referenced~~ reference resistance ~~and a referenced voltage~~;

transforming said ~~analogy~~ analog signal source ~~to be~~ into a digital signal;

~~treating said digital signal;~~

~~transferring out~~ transmitting said digital signal with a rising curve ~~which would get~~ to obtain [[a]] an approximate local maximum ~~peak~~ value of said rising curve; and

~~calculating~~ determining said resolution of blood glucose according to said ~~resistance, said referenced resistance, said referenced voltage and said~~ approximate local maximum ~~peak~~ value.

2. (Currently Amended) The method according to claim 1, wherein said ~~analogy~~ analog signal source ~~coming~~ is generated ~~from a chemical reaction caused by placing~~ at least in part, in response to application of the blood glucose solution ~~reacts~~ on [[the]] a test strip having a catalyst.

3. (Currently Amended) The method according to claim 2, wherein said analog signal source is generated at least in part, on ~~chemical reaction comprising~~ an oxidation reduction reaction occurring in response to said application of said test strip.

4. (Currently Amended) The method ~~accordance with~~ according to claim 1, wherein said transforming said ~~analogy~~ analog signal source ~~comprising~~ includes ~~transferring~~ transmitting said ~~analogy~~ analog signal source through [[a]] an ~~analogy~~ analog front end (AFE)

5. (Currently Amended) The method according to claim 1, wherein said ~~peak~~ approximate local maximum value being the difference between [[the]] a first time (t_1) and [[the]] an initial time (t_0) and

said difference being larger than zero.

6. (Currently Amended) The method according to claim 1, ~~wherein~~ and further comprising:

determining [[a]] an average peak value ~~calculating the~~ of a plurality of said ~~peak~~ approximate local maximum ~~value~~ values after a pre-setting sampling time.

7. (Currently Amended) The method according to claim 1, ~~wherein~~ and further comprising:

providing a mapping table of ~~said~~ an outputted voltage and a [[said]] plurality of ~~peak value~~ approximate local maximum values from [[the]] a plurality of said rising curves.

8. (Currently Amended) A method for determining the resolution of blood glucose, ~~comprises~~ comprising:

providing [[the]] a blood glucose solution for ~~reacts~~ reaction on [[the]] a test strip to ~~product~~ produce [[a]] an ~~analogy~~ analog signal source;

~~transferring~~ transmitting said ~~analogy~~ analog signal source into a measuring circuit;

transforming said ~~analogy~~ analog signal source ~~to be~~ into a digital signal;

~~transferring out~~ outputting said digital signal with a rising curve;

~~calculating~~ determining [[a]] an average peak value at [[on]] ~~a peak~~ an approximate local maximum point of said rising curve after a pre-setting sampling time; and

~~calculating~~ determining said resolution of blood glucose according to said average peak value.

9. (Currently Amended) The method according to claim 8, wherein ~~which~~ said test strip ~~containing~~ includes a catalyst.

10. (Currently Amended) The method ~~accordance with~~ according to claim 8, ~~wherein the method of~~ and further comprising:

producing said ~~analogy~~ analog signal source ~~comprising~~ at least in part in response to an oxidation reduction reaction.

11. (Currently Amended) The method ~~accordance with~~ according to claim 8, wherein said measuring circuit ~~comprising~~ includes ~~a resistance,~~ a reference resistance ~~and a reference voltage~~.

12. (Currently Amended) The method ~~accordance with~~ according to claim 8, wherein said transforming said ~~analogy~~ analog signal source ~~comprising~~ includes ~~transferring~~ transmitting said ~~analogy~~ analog signal source through [[a]] an ~~analogy~~ analog front end (AFE).

13. (Currently Amended) The method according to claim 8, ~~wherein~~ and further comprising ~~calculating~~ determining ~~a peak~~ an approximate local maximum value of said rising curve.

14. (Currently Amended) The method according to claim 13, wherein said ~~peak~~ approximate local maximum value being [[the]] a difference between [[the]] a first time (t_1) and [[the]] an initial time (t_0) and said difference being larger than zero.

15. (Currently Amended) The method according to claim [[8]] 11, wherein ~~calculating of~~ said resolution of blood glucose ~~according to said average peak value further comprising according to~~ is determined at least in part based on said ~~resistance, said~~ reference resistance ~~and said reference voltage~~.

16. (Currently Amended) A method for determining the resolution of blood glucose, ~~comprises~~ comprising:

providing [[the]] a blood glucose solution for ~~reacts~~ reaction on [[the]] a test strip having an enzyme to ~~product~~ produce [[a]] an ~~analogy~~ analog signal source;

~~transferring~~ transmitting said ~~analogy~~ analog signal source into a measurement circuit;

transforming said ~~analogy~~ analog signal source ~~to be~~ into a digital signal;

~~transferring out~~ outputting said digital signal with a rising curve;

~~calculating~~ determining ~~a peak~~ an approximate local maximum value of said rising curve; and

making a mapping table of said ~~peak~~ approximate local maximum value and [[a]] an outputted voltage.

17. (Currently Amended) The method ~~accordance with~~ according to claim 16, ~~wherein the method of~~ and further comprising:

producing said ~~analogy~~ analog signal source ~~comprising~~ at least in part in response to an oxidation reduction reaction.

18. (Currently Amended) The method ~~accordance with~~ according to claim 16, wherein said transforming said ~~analogy~~ analog signal source ~~comprising transferring~~ further comprises transmitting said ~~analogy~~ analog signal source through [[a]] an ~~analogy~~ analog front end (AFE).